

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```
DDDDDDDD  EEEEEEEEE  FFFFFFFF  KK      KK  EEEEEEEEE  YY      YY
DDDDDDDD  EEEEEEEEE  FFFFFFFF  KK      KK  EEEEEEEEE  YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EEEEEEE  FFFFFFFF  KKKKKK  EEEEEEE  YY      YY
DD      DD  EEEEEEE  FFFFFFFF  KKKKKK  EEEEEEE  YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DD      DD  EE      FF      KK      KK  EE      YY      YY
DDDDDDDD  EEEEEEEEE  FF      KK      KK  EEEEEEEEE  YY      YY
DDDDDDDD  EEEEEEEEE  FF      KK      KK  EEEEEEEEE  YY      YY
                                     ....
                                     ....
                                     ....
                                     ....
```

```
LL      IIIII  SSSSSSS
LL      IIIII  SSSSSSS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SSSSSS
LL      II     SSSSSS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SS
LLLLLLLL  IIIII  SSSSSSS
LLLLLLLL  IIIII  SSSSSSS
```

```
0001 0 ZTITLE 'EDT$DEFKEY - define a key'
0002 0 MODULE EDT$DEFKEY (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1 ++
0031 1 FACILITY: EDT -- The DEC Standard Editor
0032 1
0033 1 ABSTRACT:
0034 1
0035 1 Define a key
0036 1
0037 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0038 1
0039 1 AUTHOR: Bob Kushlis, CREATION DATE: 6-AUG-1979
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
0044 1 extracting routine EDT$$DEFK from module EDTCTR.
0045 1
0046 1 1-002 - Regularize headers. JBS 04-Mar-1981
0047 1
0048 1 1-003 - Implement virtual memory deallocation. TMV 6-Aug-81
0049 1
0050 1 1-004 - Return an error code to distinguish the types of errors. JBS 18-May-1982
0051 1
0051 1 1-005 - New implementation of defined keys. JBS 13-Aug-1982
0051 1
0051 1 --
```

EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
Declarations

C 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1 Page 2
(2)

```

53 0052 1 $SBTTL 'Declarations'
54 0053 1
55 0054 1 TABLE OF CONTENTS:
56 0055 1
57 0056 1
58 0057 1 REQUIRE 'EDT$SRC:TRAROUNAM';
59 0496 1
60 0497 1 FORWARD ROUTINE
61 0498 1 EDT$DEFK;
62 0499 1
63 0500 1
64 0501 1 INCLUDE FILES:
65 0502 1
66 0503 1
67 0504 1 REQUIRE 'EDT$SRC:EDTREQ';
68 0639 1
69 0640 1 LIBRARY 'EDT$SRC:KEYPADDEF';
70 0641 1
71 0642 1
72 0643 1 MACROS:
73 0644 1
74 0645 1 NONE
75 0646 1
76 0647 1 EQUATED SYMBOLS:
77 0648 1
78 0649 1 NONE
79 0650 1
80 0651 1 OWN STORAGE:
81 0652 1
82 0653 1 NONE
83 0654 1
84 0655 1 EXTERNAL REFERENCES:
85 0656 1
86 0657 1 In the routine
```


EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
EDT\$\$DEFK - define a key

D 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1

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(3)

```

88      0658 1 XSBTTL 'EDT$$DEFK - define a key'
89      0659 1
90      0660 1 GLOBAL ROUTINE EDT$$DEFK (
91      0661 1     KEY,
92      0662 1     STRING,
93      0663 1     LEN
94      0664 1 ) =
95      0665 1
96      0666 1 ++
97      0667 1 FUNCTIONAL DESCRIPTION:
98      0668 1
99      0669 1     Define a key. It is entered in the table of defined keys
100     0670 1     so that EDT$$FIND_KEY can find it.
101     0671 1
102     0672 1 FORMAL PARAMETERS:
103     0673 1
104     0674 1     KEY                Key number to define
105     0675 1
106     0676 1     STRING            Address of new definition string
107     0677 1
108     0678 1     LEN                Length of that definition
109     0679 1
110     0680 1 IMPLICIT INPUTS:
111     0681 1
112     0682 1     NONE
113     0683 1
114     0684 1 IMPLICIT OUTPUTS:
115     0685 1
116     0686 1     EDT$$A_TRN_TBL
117     0687 1
118     0688 1 ROUTINE VALUE:
119     0689 1
120     0690 1     1 = key defined
121     0691 1     any even number - an error code to be printed using EDT$$OUT_MSG.
122     0692 1
123     0693 1 SIDE EFFECTS:
124     0694 1
125     0695 1     Allocates dynamic memory for the key definition
126     0696 1
127     0697 1 --
128     0698 1
129     0699 2 BEGIN
130     0700 2
131     0701 2 EXTERNAL ROUTINE
132     0702 2     EDT$$TST_BADK,
133     0703 2     EDT$$SCAN_KDEF,
134     0704 2     EDT$$ALO_HEAP;
135     0705 2
136     0706 2 EXTERNAL
137     0707 2     EDT$$A_TRN_TBL : VECTOR;
138     0708 2
139     0709 2 MESSAGES ((KEYNOTDEF, INSMEM));
140     0710 2
141     0711 2 LOCAL
142     0712 2     KEY_PTR : REF BLOCK [, BYTE] FIELD (KEY_DEF_FIELD),
143     0713 2     STATUS;
144     0714 2
```

EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
EDT\$\$DEFK - define a key

E 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1 Page 4
(3)

```

: 145 0715 2      IF EDT$$TST_BADK (.KEY) THEN RETURN (EDT$_KEYNOTDEF);
: 146 0716 2
: 147 0717 2      +
: 148 0718 2      | Cancel any existing definition of the key.
: 149 0719 2      |
: 150 0720 2      | STATUS = EDT$$SCAN_KDEF (.KEY);
: 151 0721 2
: 152 0722 2      | IF ( NOT .STATUS) THEN RETURN (.STATUS);
: 153 0723 2
: 154 0724 2      +
: 155 0725 2      | Allocate storage to hold the key definition.
: 156 0726 2      |
: 157 0727 2
: 158 0728 2      | IF ( NOT EDT$$ALO_HEAP (%REF (.LEN + KEY_DEF_OVERHEAD), KEY_PTR)) THEN RETURN (EDT$_INSMEM);
: 159 0729 2
: 160 0730 2      +
: 161 0731 2      | Load up the key definition block and store in the table.
: 162 0732 2      |
: 163 0733 2      | KEY_PTR [KEY_DEF_NEXT] = .EDT$$A_TRN_TBL [.KEY MOD K_KPAD_HASHSIZE];
: 164 0734 2      | KEY_PTR [KEY_DEF_KEY] = .KEY;
: 165 0735 2      | KEY_PTR [KEY_DEF_LEN] = .LEN;
: 166 0736 2      | EDT$$A_TRN_TBL [.KEY MOD K_KPAD_HASHSIZE] = .KEY_PTR;
: 167 0737 2      | EDT$$COPY MEM (.LEN, .STRING, CH$PTR (KEY_PTR [KEY_DEF_TEXT]));
: 168 0738 2      | RETURN (T);
: 169 0739 1      | END;

```

! of routine EDT\$\$DEFK

.TITLE EDT\$DEFKEY EDT\$DEFKEY - define a key
.IDENT \V04-000\

.EXTRN EDT\$\$TST_BADK, EDT\$\$SCAN_KDEF
.EXTRN EDT\$\$ALO_HEAP, EDT\$\$A_TRN_TBL
.EXTRN EDT\$_KEYNOTDEF, EDT\$_INSMEM

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

.ENTRY EDT\$\$DEFK, Save R2,R3,R4,R5

SUBL2 #8, SP
PUSHL KEY
CALLS #1, EDT\$\$TST_BADK
BLBC R0, 1\$
MOVL #EDT\$_KEYNOTDEF, R0
RET

PUSHL KEY
CALLS #1, EDT\$\$SCAN_KDEF
BLBC STATUS, 3\$
PUSHAB KEY_PTR
ADDL3 #7, -LEN, 4(SP)
PUSHAB 4(SP)

CALLS #2, EDT\$\$ALO_HEAP
BLBS R0, 2\$
MOVL #EDT\$_INSMEM, R0
RET

MOVL KEY_PTR, R1
EMUL #1, KEY, #0, -(SP)
EDIV #199, (SP)+, R0, R0
MOVAL EDT\$\$A_TRN_TBL[R0], R0

7E
50

00
50

04

```

5E      08 003C 00000
          04 01 AC DD 00002
00000000G 00 01 01 FB 00008
          08 50 E9 0000F
          50 00000000G 8F D0 00012
          04 04 00019
          04 AC DD 0001A 1$:
00000000G 00 01 01 FB 0001D
          53 50 E9 00024
          04 AE 9F 00027
04 AE 0C AC 07 C1 0002A
          04 AE 9F 00030
00000000G 00 02 FB 00033
          08 50 E8 0003A
          50 00000000G 8F D0 0003D
          04 04 00044
          51 04 AE D0 00045 2$:
          AC 01 7A 00049
          8E 000000C7 8F 7B 0004F
          50 00000000G 0040 DE 00058

```

0660
0715
0720
0722
0728
0733

EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
EDT\$\$DEFK - define a key

F 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1

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		04	61		04	60	D0	00060	MOVL	(R0), (R1)	
		06	A1		0C	AC	B0	00063	MOVW	KEY, 4(R1)	
			A1			51	D0	00068	MOVB	LEN, 6(R1)	
			60			D0	D0	0006D	MOVL	R1, (R0)	
07	A1	08	BC		0C	AC	28	00070	MOVC3	LEN, @STRING, 7(R1)	
			50		01	D0	D0	00077	MOVL	#1, R0	
						04	0007A	3\$:	RET		

: 0734
: 0735
: 0736
: 0737
: 0738
: 0739

; Routine Size: 123 bytes, Routine Base: _EDT\$CODE + 0000

: 170 0740 1
: 171 0741 1 !<BLF/PAGE>

EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
EDT\$\$DEFK - define a key

G 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[EDT.SRC]DEFKEY.BLI;1 Page (4)

: 173 0742 1 END
: 174 0743 1
: 175 0744 0 ELUDOM

! of module EDT\$DEFKEY

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	123	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[EDT.SRC]KEYPADDEF.L32;1	34	7	20	7	00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:DEFKEY/OBJ=OBJ\$:DEFKEY MSRC\$:DEFKEY.BLI/UPDATE=(ENH\$:DEFKEY)

: Size: 123 code + 0 data bytes
: Run Time: 00:11.5
: Elapsed Time: 00:14.4
: Lines/CPU Min: 3868
: Lexemes/CPU-Min: 12306
: Memory Used: 75 pages
: Compilation Complete

0133 AH-BT13A-SE
VAX/VMS V4.0

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